

REFLECTION SUPPRESSION FOR AN OPTICAL FIBER

Abstract of the Disclosure

- Forming a plurality of loops in an optical fiber around a spool adjacent to an exposed end face can suppress internal reflections from the exposed end face. The radius of the loops can attenuate light that is propagating to and from the end face by causing light to leak out of the optical fiber's core and into its cladding. The radius can be selected to control physical stress in the optical fiber and promote reliability. The radius and the number of loops can be selected to meet a return loss specification.
- 5 The loops can be formed by coiling the optical fiber around a spool that includes a slot for holding the optical fiber until it is put into service.
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